

WHAT IS CLAIMED IS:

1. In a multi-mode bi-directional communications device, an apparatus for processing received downstream data comprising:
 - a tuner;
 - 5 a demodulator;
 - a first filter adapted for selective coupling between the tuner and the demodulator; and
 - a second filter adapted for selective coupling between the tuner and the demodulator.
- 10 2. The apparatus of claim 1 wherein the first filter has a bandwidth of 6MHz.
3. The apparatus of claim 1 wherein the second filter has a bandwidth of 8MHz.
- 15 4. The apparatus of claim 1 further comprising:
 - a selector for selectively coupling the first filter and the second filter between the tuner and the demodulator.
5. The apparatus of claim 4, wherein the selector comprises a switch selected from the
- 20 group consisting of transistors, diodes, electro-mechanical and mechanical switches.
6. The apparatus of claim 1 wherein the downstream data is filtered to pass a data signal modulation frequency of greater than 88MHz to the tuner.
- 25 7. The apparatus of claim 1, wherein the multi-mode bi-directional communications device is a cable modem.
8. The apparatus of claim 1, wherein the apparatus supports multiple standards selected from the group consisting of the North American Data Over Cable Service Interface
- 30 Specifications (DOCSIS) and the European DOCSIS standards.

9. The apparatus of claim 1 wherein the first filter is a surface acoustic wave (SAW) filter.

10. The apparatus of claim 1 wherein the second filter is a surface acoustic wave (SAW)
5 filter.